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Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

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March 16, 1981

Mr. S. A. Barrett
Project Manager
Kennecott Minerals Company
P. O. Box 1248
Salt Lake City, Utah 84147

RE: North Ore Shoot
Extension Project
Bingham Canyon Mine
ACT/035/002
Salt Lake County, Utah

Dear Mr. Barrett:

The Division has received and reviewed the information submitted by Kennecott relative to the above referenced operation and finds that it satisfactorily addresses the Division's request.

Thank you for your continued cooperation in working with the Division.

Sincerely,

JAMES W. SMITH, JR.
COORDINATOR OF MINED
LAND DEVELOPMENT

JWS/btm

0002

Kennecott Minerals Company

A Division of Kennecott Corporation

P.O. Box 11248
Salt Lake City, Utah 84147

File ACT/035/002

Jim

February 17, 1981

Kennecott

Mr. James W. Smith, Jr.
Coordinator of Mined Land Development
State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, UT 84116

RE: Shaft for North Ore Shoot Extension
Bingham Canyon Mine
ACT/035/002

RECEIVED
FEB 24 1981

DIVISION OF
OIL, GAS & MINING

Dear Mr. Smith:

Reference is made to your letter dated December 18, 1980 to our Mr. W. D. Southard, requesting information with respect to the above captioned matter. On February 5, Messrs. Southard Earl C. Tingey, our General Counsel, and myself met with you and members of your staff to orally discuss your request for information.

The following information is responsive to your request. This information is not given as an amendment to the present Mining and Reclamation Plan because, in our opinion, the Mining and Reclamation Plan is complete and does not require amendment. However, to keep your department informed, we are more than pleased to provide this information.

To facilitate better communications in the future, we indicated that our Mr. T. T. Pinder, Kennecott Minerals Company, Magna, Utah 84044 (phone 263-6123, Ext. 5418), is our contact person with respect to the production aspects of the Bingham Canyon mine. I am the contact person, Kennecott Minerals Company, P. O. Box 11248, Salt Lake City, Utah 84147 (phone 534-8227) for the North Ore Shoot Extension.

The information you requested follows:

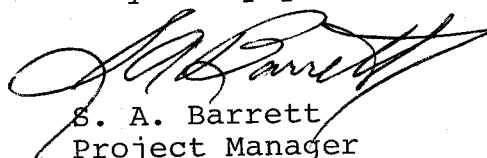
1. The location of the shaft and hoist house in Bingham Canyon are shown on the attached Utah Copper Division property map, Exhibit A of the Mining and Reclamation plan.

Mr. James W. Smith, Jr.
February 17, 1981
Page 2

2. Waste rock from the shaft and development drifts will be deposited in Bingham Canyon south and southeast of the shaft-hoist house location no farther than 2000 ft. and as close as 200 ft. from the shaft. This is within the area 1 of the map, Exhibit A, identified for waste disposal in Section 2 Mine Waste Disposal Area (page 6) of the Mining and Reclamation Plan. Total tonnage for this project of approximately 460,000 is less than 1½ days waste production from the Bingham pit.
3. The shaft will be circular and concrete lined with an inside diameter of 20 feet and a depth of approximately 4200 feet.
4. It is expected that no more than 500 GPM of water will be encountered during shaft sinking. This water will be contained within the Utah Copper collection system described in Section 2, Mine Waste Disposal (page 7) and in Section 3, (page 9) Excess Mine Water Disposal area of the approved mining plan. At this time it is not possible to predict with any degree of accuracy the amount of water that could be encountered in the over 14,000 feet of drifting.
5. The present work in progress will provide a shaft 4200 feet deep and two drifts driven from the shaft. One drift of 7000 feet will be at an elevation 3500 feet below the shaft collar, and the second drift of 7500 feet will be at an elevation 2500 feet below the shaft collar. Diamond drilling can be accomplished from these drifts to delineate the ore horizon definitively.

No additional impact is envisioned in addition to that already considered in the approved plan for the Utah mine.

Very truly yours,



S. A. Barrett
Project Manager
North Ore Shoot Extension Project

/mh
Att.

SCOTT M. MATHESON
Governor



OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

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CLEON B. FEIGHT
Director

December 18, 1980

Mr. W. D. Southard
Division Engineer
Kennecott Minerals Company
P. O. Box 6500
Salt Lake City, Utah 84106

RE: Shaft for North
Off-chute Ore Body
Bingham Canyon Mine
ACT/035/002

Dear Mr. Southard:

It has come to the Division's attention that Kennecott Minerals Co. is proceeding with development of a shaft for the North Off-chute Ore Body at the Bingham Canyon Mine.

Even though underground mining is mentioned in the Bingham Canyon Mine Mining and Reclamation Plan as one of the possible methods to be used during the life of the operation, Kennecott Minerals Co., must still notify the Division prior to initiating any new action.

Please submit the following information as an amendment to the present mining and reclamation plan for Division review.

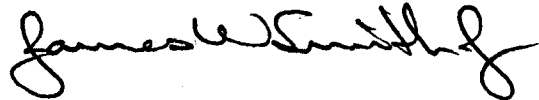
1. Detailed map showing shaft and headframe location, as well as any additionally new support facilities.
2. Affirmation as to the location of the deposition of waste rock and low-grade ore.
3. Information pertaining to the diameter and depth of the shaft.
4. Discussion of any hydrologic impact as a result of shaft development.
5. Narrative discussing scope of the new operation, including impacts, and mitigative measures.

Mr. W. D. Southard
ACT/035/002
December 18, 1980
Page two

Also, please be reminded that any information pertaining to the location, size or nature of the ore deposit may be maintained as confidential, if so requested by the operator.

The Division would appreciate a rapid response regarding this matter. If you should have any questions, please feel free to call either myself or Ron Daniels.

Sincerely,

A handwritten signature in cursive script, appearing to read "James W. Smith, Jr.", written in dark ink.

JAMES W. SMITH, JR.
COORDINATOR OF MINED
LAND DEVELOPMENT

JWS/btm